

Table Y-1: Guide to Chemical Formulas

Symbol	Name
Al	Aluminum
Al <sub>2</sub> O <sub>3</sub>	Aluminum Oxide
Br	Bromine
C	Carbon
CH <sub>4</sub>	Methane
C <sub>2</sub> H <sub>6</sub>	Ethane
C <sub>3</sub> H <sub>8</sub>	Propane
CF <sub>4</sub>	Perfluoromethane
C <sub>2</sub> F <sub>6</sub>	Perfluoroethane, hexafluoroethane
c-C <sub>3</sub> F <sub>6</sub>	Perfluorocyclopropane
C <sub>3</sub> F <sub>8</sub>	Perfluoropropane
c-C <sub>4</sub> F <sub>8</sub>	Perfluorocyclobutane
C <sub>4</sub> F <sub>10</sub>	Perfluorobutane
C <sub>5</sub> F <sub>12</sub>	Perfluoropentane
C <sub>6</sub> F <sub>14</sub>	Perfluorohexane
CF <sub>3</sub> I	Trifluoroiodomethane
CFCl <sub>3</sub>	Trichlorofluoromethane (CFC-11)
CF <sub>2</sub> Cl <sub>2</sub>	Dichlorodifluoromethane (CFC-12)
CF <sub>3</sub> Cl	Chlorotrifluoromethane (CFC-13)
C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	Trichlorotrifluoroethane (CFC-113)*
CCl <sub>3</sub> CF <sub>3</sub>	CFC-113a*
C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	Dichlorotetrafluoroethane (CFC-114)
C <sub>2</sub> F <sub>5</sub> Cl	Chloropentafluoroethane (CFC-115)
CHCl <sub>2</sub> F	HCFC-21
CHF <sub>2</sub> Cl	Chlorodifluoromethane (HCFC-22)
C <sub>2</sub> F <sub>3</sub> HCl <sub>2</sub>	HCFC-123
C <sub>2</sub> F <sub>4</sub> HCl	HCFC-124
C <sub>2</sub> FH <sub>3</sub> Cl <sub>2</sub>	HCFC-141b
C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl	HCFC-142b
CF <sub>3</sub> CF <sub>2</sub> CHCl <sub>2</sub>	HCFC-225ca
CClF <sub>2</sub> CF <sub>2</sub> CHClF	HCFC-225cb
CCl <sub>4</sub>	Carbon tetrachloride
CHClCCl <sub>2</sub>	Trichloroethylene
CCl <sub>2</sub> CCl <sub>2</sub>	Perchloroethylene, tetrachloroethene
CH <sub>3</sub> Cl	Methylchloride
CH <sub>3</sub> CCl <sub>3</sub>	Methylchloroform
CH <sub>2</sub> Cl <sub>2</sub>	Methylenechloride
CHCl <sub>3</sub>	Chloroform, trichloromethane
CHF <sub>3</sub>	HFC-23
CH <sub>2</sub> F <sub>2</sub>	HFC-32
CH <sub>3</sub> F	HFC-41
C <sub>2</sub> HF <sub>5</sub>	HFC-125
C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>	HFC-134
CH <sub>2</sub> FCF <sub>3</sub>	HFC-134a
C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	HFC-143*
C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	HFC-143a*
CH <sub>2</sub> FCH <sub>2</sub> F	HFC-152*
C <sub>2</sub> H <sub>4</sub> F <sub>2</sub>	HFC-152a*
CH <sub>3</sub> CH <sub>2</sub> F	HFC-161
C <sub>3</sub> HF <sub>7</sub>	HFC-227ea
CF <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> F	HFC-236cb
CF <sub>3</sub> CHFCHF <sub>2</sub>	HFC-236ea
C <sub>3</sub> H <sub>2</sub> F <sub>6</sub>	HFC-236fa

$C_3H_3F_5$	HFC-245ca
$CHF_2CH_2CF_3$	HFC-245fa
$CF_3CH_2CF_2CH_3$	HFC-365mfc
$C_5H_2F_{10}$	HFC-43-10mee
$CF_3OCHF_2$	HFE-125
$CF_2HOCHF_2H$	HFE-134
$CH_3OCF_3$	HFE-143a
$CF_3CHFOCF_3$	HFE-227ea
$CF_3CHClOCHF_2$	HCFE-235da2
$CF_3CHFOCHF_2$	HFE-236ea2
$CF_3CH_2OCF_3$	HFE-236fa
$CF_3CF_2OCH_3$	HFE-245cb2
$CHF_2CH_2OCF_3$	HFE-245fa1
$CF_3CH_2OCHF_2$	HFE-245fa2
$CHF_2CF_2OCH_3$	HFE-254cb2
$CF_3CH_2OCH_3$	HFE-263fb2
$CF_3CF_2OCF_2CHF_2$	HFE-329mcc2
$CF_3CF_2OCH_2CF_3$	HFE-338mcf2
$CF_3CF_2CF_2OCH_3$	HFE-347mcc3
$CF_3CF_2OCH_2CHF_2$	HFE-347mcf2
$CF_3CHF_2CF_2OCH_3$	HFE-356mec3
$CHF_2CF_2CF_2OCH_3$	HFE-356pcc3
$CHF_2CF_2OCH_2CHF_2$	HFE-356pcf2
$CHF_2CF_2CH_2OCHF_2$	HFE-356pcf3
$CF_3CF_2CH_2OCH_3$	HFE-365mcf3
$CHF_2CF_2OCH_2CH_3$	HFE-374pcf2
$C_4F_9OCH_3$	HFE-7100
$C_4F_9OC_2H_5$	HFE-7200
$CHF_2OCF_2OC_2F_4OCHF_2$	H-Galden 1040x
$CHF_2OCF_2OCHF_2$	HG-10
$CHF_2OCF_2CF_2OCHF_2$	HG-01
$CH_3OCH_3$	Dimethyl ether
$CH_2Br_2$	Dibromomethane
$CH_2BrCl$	Dibromochloromethane
$CHBr_3$	Tribromomethane
$CHBrF_2$	Bromodifluoromethane
$CH_3Br$	Methylbromide
$CF_2BrCl$	Bromodichloromethane (Halon 1211)
$CF_3Br(CBrF_3)$	Bromotrifluoromethane (Halon 1301)
$CF_3I$	FIC-131I
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
CaCO <sub>3</sub>	Calcium carbonate, Limestone
CaMg(CO <sub>3</sub> ) <sub>2</sub>	Dolomite
CaO	Calcium oxide, Lime
Cl	atomic Chlorine
F	Fluorine
Fe	Iron
Fe <sub>2</sub> O <sub>3</sub>	Ferric oxide
FeSi	Ferrosilicon
H, H <sub>2</sub>	atomic Hydrogen, molecular Hydrogen
H <sub>2</sub> O	Water
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide
OH	Hydroxyl
N, N <sub>2</sub>	atomic Nitrogen, molecular Nitrogen
NH <sub>3</sub>	Ammonia

$\text{NH}_4^+$	Ammonium ion
$\text{HNO}_3$	Nitric Acid
$\text{NF}_3$	Nitrogen trifluoride
$\text{N}_2\text{O}$	Nitrous oxide
$\text{NO}$	Nitric oxide
$\text{NO}_2$	Nitrogen dioxide
$\text{NO}_3$	Nitrate radical
$\text{Na}$	Sodium
$\text{Na}_2\text{CO}_3$	Sodium carbonate, soda ash
$\text{Na}_3\text{AlF}_6$	Synthetic cryolite
$\text{O}, \text{O}_2$	atomic Oxygen, molecular Oxygen
$\text{O}_3$	Ozone
$\text{S}$	atomic Sulfur
$\text{H}_2\text{SO}_4$	Sulfuric acid
$\text{SF}_6$	Sulfur hexafluoride
$\text{SF}_5\text{CF}_3$	Trifluoromethylsulphur pentafluoride
$\text{SO}_2$	Sulfur dioxide
$\text{Si}$	Silicon
$\text{SiC}$	Silicon carbide
$\text{SiO}_2$	Quartz

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\* Distinct isomers.